

Application No. 10/034,848
Filed: December 26, 2001
Group Art Unit: 1762

AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph on page 1, line 24 and line 31 as follows:

A1
A well known process for densifying porous substrates to make C/C composite or CMC parts is chemical vapour infiltration. The substrates to be densified are placed in a loading zone of an oven in which they are heated. A reactive gas containing one or more gaseous precursors of the material that is to constitute the matrix is in introduced into the oven. The temperature and pressure inside the oven are adjusted to enable the reactive gas to diffuse within the pores of the substrates and deposit matrix-constituting material therein by one or more components of the reactive gas decomposing or reacting together, said components constituting the matrix precursor. The process is performed under low pressure in order to encourage the reactive gas gases to diffuse into the substrates. The transformation temperature of the precursor(s) to form the matrix material, such as pyrolytic carbon or ceramic, is usually greater than 900°C, and is typically close to 1000°C.

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Please amend the paragraph on page 7, line 29:

A2
Subj
The reactive gas admitted into the oven via the inlet 22 passes through the heating zone 50 36 and penetrates into the volume 36 through the central orifice 41 of the plate 40. The reactive gas flows from the volume 36 towards the volume 38 by passing through the pores of the substrate 32 and through the passages provided in the gaps 46. The effluent gas is extracted from the volume 38 via the outlet 24.